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To: [Eric Blischke/R10/USEPA/US@EPA](#); [Chip Humphrey/R10/USEPA/US@EPA](#)
Cc: [PETERSON Jenn L](#); [HOPE Bruce](#)
Subject: Portland Harbor data
Date: 01/11/2006 07:45 AM

Eric,

I got your voice mail and thought I'd briefly summarize where I am with the Portland Harbor food web model, etc.

(1) I have completed a prototype transport & fate model (using STELLA) based on the multi-segment, 3-section approach conveyed to me by Rene, Jean, Burt, and others last Friday. I met with Jean and Rene yesterday to show them how the prototype works and to get their feedback on it.

(2) I am about half-way through studying the template for the Arnot & Gobas model sent to us by Windward in support of their 11/4/05 report. Since neither the template or the report are self-explanatory, I've had to go through the template line-by-line and it's been slow going. I may get a chance to finish this in 2 weeks or so, at which point I'll try to reproduce Arnot & Gobas in STELLA so it can fit with the T&F model.

(3) My plan is, once the T&F model is all together and I have some understanding of the Arnot & Gobas template, to put together an extended outline describing both models, with equations, brief descriptions of information sources for parameters, key assumptions, etc. This outline will serve to help me keep track of what I'm doing, as well as go toward the transparency specification.

(3) I sent Jennifer some comments I had about Windward's 11/04/05 report - not all she wanted but all I had time for. The bottom line is that while Arnot & Gobas is OK to use as the food web model, Windward has not been adequately transparent in how they set it up, what food webs they actually used, or how they evaluated it for fit to existing data. Also describing the harbor as one big krieged average is not useful.

(4) My requests for data have to do with establishing a basis for evaluating the STELLA T&F and associated food web models. I need individual (not averages or krieged composited) water and sediment concentration data keyed to river mile with date of collection. This will allow me to establish time and spatially dependent values for model comparison. Once I figure out how to access your blizzard of data files (and convert GIS or LatLong coordinates to river mile), I might be able to extract these data myself. But Jennifer was suggesting that this is something one of your contractors might be able to do faster(?).

(5) I'm still supposed to be working on Umatilla (and not PH) but since they haven't tasked me with anything yet (maybe not till March?), I've been spending time (and your money) on PH. Just be aware that the plug could be pulled eventually.

Bruce